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(FILE 'HOME' ENTERED AT 16:11:03 ON 30 AUG 2007)

FILE 'REGISTRY' ENTERED AT 16:11:13 ON 30 AUG 2007

L1 STRUCTURE UPLOADED
 D
L2 0 SEA SSS SAM L1
L3 73 SEA SSS FUL L1
L4 ANALYZE PLU=ON L3 1- LC : 10 TERMS
 D

FILE 'ZCAPLUS' ENTERED AT 16:12:09 ON 30 AUG 2007

L5 0 SEA ABB=ON PLU=ON L4
L6 54 SEA ABB=ON PLU=ON L3

FILE 'USPATFULL, USPATOLD, USPAT2, TOXCENTER, BEILSTEIN, CHEMCATS,
PROUSDDR, SYNTHLINE, CASREACT' ENTERED AT 16:12:58 ON 30 AUG 2007

L7 69 SEA ABB=ON PLU=ON L3
L8 57 DUP REM L7 (12 DUPLICATES REMOVED)
 ANSWERS '1-24' FROM FILE USPATFULL
 ANSWERS '25-44' FROM FILE TOXCENTER
 ANSWERS '45-48' FROM FILE BEILSTEIN
 ANSWERS '49-53' FROM FILE CHEMCATS
 ANSWER '54' FROM FILE PROUSDDR
 ANSWER '55' FROM FILE SYNTHLINE
 ANSWERS '56-57' FROM FILE CASREACT

FILE 'ZCAPLUS' ENTERED AT 16:13:30 ON 30 AUG 2007

L9 29 SEA ABB=ON PLU=ON L7 AND (PD<20010611 OR PRD<20010611)
L10 27 SEA ABB=ON PLU=ON L9 NOT US2001-879442#/AP,PRN
 D L10 1- IBIB HITSTR

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 29 AUG 2007 HIGHEST RN 945828-45-5

DICTIONARY FILE UPDATES: 29 AUG 2007 HIGHEST RN 945828-45-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

FILE ZCAPLUS

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FILE COVERS 1907 - 30 Aug 2007 VOL 147 ISS 10
FILE LAST UPDATED: 29 Aug 2007 (20070829/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE USPATFULL
FILE COVERS 1971 TO PATENT PUBLICATION DATE: 30 Aug 2007 (20070830/PD)
FILE LAST UPDATED: 30 Aug 2007 (20070830/ED)
CA INDEXING IS CURRENT THROUGH 30 Aug 2007 (20070830/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 30 Aug 2007 (20070830/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2007

FILE USPATOLD
FILE COVERS U.S. PATENTS 1790-1975

FILE USPAT2
FILE COVERS 2001 TO PUBLICATION DATE: 30 Aug 2007 (20070830/PD)
FILE LAST UPDATED: 30 Aug 2007 (20070830/ED)
CA INDEXING IS CURRENT THROUGH 30 Aug 2007 (20070830/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 30 Aug 2007 (20070830/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2007

FILE TOXCENTER
FILE COVERS 1907 TO 28 Aug 2007 (20070828/ED)

FILE BEILSTEIN
FILE LAST UPDATED ON June 25, 2007
FILE COVERS 1771 TO 2007.

FILE CHEMCATS
FILE LAST UPDATED 25 AUGUST 2007 (20070825/UP)

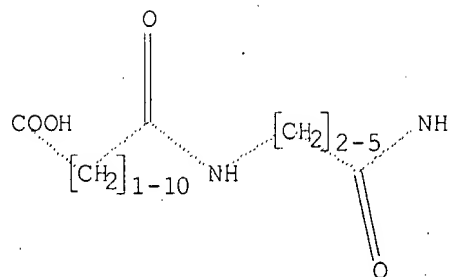
FILE PROUSDDR
FILE COVERS 1980 TO 1 Aug 2007 (20070801/ED)

FILE SYNTHLINE
FILE COVERS 1984 TO 16 Aug 2007 (20070816/ED)

FILE CASREACT
FILE CONTENT:1840 - 25 Aug 2007 VOL 147 ISS 10

L1

STR



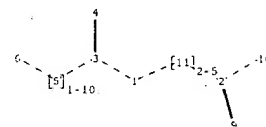
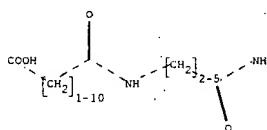
Structure attributes must be viewed using STN Express query preparation.

L3 73 SEA FILE=REGISTRY SSS FUL L1

L7 69 SEA L3

L9 29 SEA FILE=ZCAPLUS ABB=ON PLU=ON L7 AND (PD<20010611 OR
FRD<20010611)

L10 27 SEA FILE=ZCAPLUS ABB=ON PLU=ON L9 NOT US2001-879442#/AP,PRN



chain nodes :

1 2 3 4 5 6 9 10 11

chain bonds :

1-3 1-11 2-10 2-9 2-11 3-4 3-5 5-6

exact/norm bonds :

1-3 1-11 2-10 2-9 2-11 3-4 3-5 5-6

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 9:CLASS 10:CLASS

11:CLASS